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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/838,248	04/20/2001	Hitoshi Hattori	206216US-2	9308

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EXAMINER

SHANKAR, VIJAY

ART UNIT	PAPER NUMBER
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2673

DATE MAILED: 08/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/838,248

Applicant(s)

HATTORI ET AL.

Examiner

VIJAY SHANKAR

Art Unit

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 April 2001.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-67 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☒ Claim(s) 1-36 is/are allowed.
6) ☒ Claim(s) 37-40 and 53-67 is/are rejected.
7) ☒ Claim(s) 41-52 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3.6.7.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 37-40 and 53-67 are rejected under 35 U.S.C. 102(b) as being anticipated by Flickinger et al (5,629,499 provided in PTO-1449).

Regarding Claim 37, Flickinger et al teaches an information recording medium (Fig.1) comprising: a member having a generally paper shape and an image display surface for displaying various information (Figs.1-2,6; Col.2, line 27-65); and identification information recorded in one of peripheral portions of the image display surface other than a holding portion (Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56), and indicating a storage location of one page of display image information prestored in storage means (Flgs.1-6; Col.2, line 45- col.4, line 65).

Regarding Claim 38, Flickinger et al teaches the information recording medium wherein the identification information reflects light in a region other than a visible region with respect to incident light having a specific wavelength (Figs.4-5; Col.3, line 10-col.4, line 35).

Regarding Claim 39, Flickinger et al teaches an information recording medium comprising: a member having a generally paper shape and an image display surface for rewritably displaying and maintaining various information; and identification information recorded in one of peripheral portions of the image display surface other than a holding portion (Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56), and indicating a storage location of one page of display image information prestored in storage means. (Figs.1-6; Col.2, line 45- col.4, line 65).

Regarding Claim 40, Flickinger et al teaches the information recording medium wherein the identification information reflects light in a region other than a visible region with respect to incident light having a specific wavelength (Figs.4-5; Col.3, line 10-col.4, line 35).

Regarding Claim 53, Flickinger et al teaches information

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processing apparatus for generating data corresponding to characters written on an information recording medium, characterized by: storing means for storing the data; reading means for reading a first personal identification number recorded on the information recording medium (Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56); judging means for judging whether or not the first personal identification number read by the reading means matches a second personal identification number which is set in advance (Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56); and control means for storing the data in the storing means when the judging means judges that the first and second personal identification numbers match (Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56).

Regarding Claim 54, Flickinger et al teaches the information processing apparatus wherein the control means stores the data in a region which is within the storing means and is indicated on the information recording medium. (Flgs.1-6; Col.2, line 45- col.4, line 65).

Regarding Claim 55, Flickinger et al teaches the information processing apparatus further comprising: fixing means for fixing a first part forming a peripheral portion of the information recording medium, the reading means reading the first personal identification number recorded on a second part of the peripheral portion different from the first part (Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56).

Regarding Claim 56, Flickinger et al teaches the information processing apparatus for generating data corresponding to characters written on an information recording medium, characterized by: reading means for reading a first personal identification number recorded on the information recording medium (Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56); judging means for judging whether or not the first personal identification number read by the reading means matches a second personal identification number which is set in advance (Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56); and control means for storing the data in an externally connected storage means when the judging means judges that the first and second personal identification numbers match (Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56).

Regarding Claim 57, Flickinger et al teaches information processing apparatus wherein: the reading means reads from the information recording medium document specifying information which specifies a document stored in the storing means, and the control means overwrites the data with respect to the document which is specified by the document specifying information read by the reading means (Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56).

Regarding Claim 58, Flickinger et al teaches the information processing apparatus wherein: the reading means reads from the information recording medium document specifying information which specifies a document stored

in the storing means, and the control means overwrites the data with respect to the document which is specified by the document specifying information read by the reading means. (Flgs.1-6; Col.2, line 45- col.4, line 65).

Regarding Claim 59, Flickinger et al teaches the information processing apparatus wherein: the information recording medium is recorded with additional writing enable/disable information which indicates whether or not an additional writing is possible with respect to a document which is already recorded on the information recording medium(Flgs.1-6; Col.2, line 45- col.4, line 65), the reading means reads the additional writing enable/disable information, and the control means stores the data in the storing means only when the additional writing enable/disable information read by the reading means indicates that an additional writing is possible. (Flgs.1-6; Col.2, line 45- col.4, line 65).

Regarding Claim 60, Flickinger et al teaches the information processing apparatus wherein: the information recording medium is recorded with additional writing enable/disable information which indicates whether or not an additional writing is possible with respect to a document which is already recorded on the information recording medium(Flgs.1-6; Col.2, line 45- col.4, line 65), the reading means reads the additional writing enable/disable information, and the control means stores the data in the storing means only when the additional writing enable/disable information read by the reading means indicates that an additional writing is possible. (Flgs.1-6; Col.2, line 45- col.4, line 65).

Regarding Claim 61, Flickinger et al teaches an information processing system for generating and processing data corresponding to characters written on an information recording medium, characterized by: storing means for storing the data; recording means for recording a first personal identification number on the information recording medium(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56); reading means for reading the first personal identification number which is recorded on the information recording medium by the recording means(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56); judging means for judging whether or not the first personal identification number read by the reading means matches a second personal identification number which is set in advance; and control means for storing the data in the storing means when the judging means judges that the first and second personal identification numbers match(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56).

Regarding Claim 62, Flickinger et al teaches an information processing system for generating and processing data corresponding to characters recorded on an information recording medium which is recorded with print enable/disable information which indicates whether or not a printing is possible, characterized by: recording means for recording the print enable/disable information on the information recording medium(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56); reading means for reading the print enable/disable information which is recorded on the information recording medium by the recording means(Figs.1-6; Col.2, line 45-

col.4, line 65); and printing means for printing the characters on the information recording medium depending on the data when the print enable/disable information read by the reading means indicates that the printing is possible. (Figs.1-6; Col.2, line 45- col.4, line 65).

Regarding Claim 63, Flickinger et al teaches an information recording medium which becomes a writing target when generating data corresponding to written characters, characterized by: a recording layer at least including a leuco dye and a developer and recorded with a first personal identification number(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56), the first personal identification number being read by reading means, and characters being recorded with respect to the recording layer when the first personal identification number matches a second personal identification number which is set in advance(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56).

Regarding Claim 64, Flickinger et al teaches an information recording medium which becomes a writing target when generating data corresponding to written characters, characterized by: a recording layer made of a resin layer including organic compound grains and recorded with a first personal identification number(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56), the first personal identification number being read by reading means, and characters being recorded with respect to the recording layer when the first personal identification number matches a second personal identification number which is set in advance(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56).

Regarding Claim 65, Flickinger et al teaches an information recording medium which becomes a writing target when generating data corresponding to written characters, characterized by: a recording layer including a liquid crystal compound and recorded with a first personal identification number(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56), the first personal identification number being read by reading means, and characters being recorded with respect to the recording layer when the first personal identification number matches a second personal identification number which is set in advance(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56).

Regarding Claim 66, Flickinger et al teaches the information recording medium wherein the first personal identification number is rewritable with respect to the recording layer(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56).

Regarding Claim 67, Flickinger et al teaches the information recording medium wherein an optical characteristic of the recording layer changes reversible with respect to temperature(Figs.4-5; Col.3, line 10-col.4, line 35; Col.6, lines 2-56).

Allowable Subject Matter

4. Claims 41-52 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. Claims 1-36 are allowed.

6. The following is an examiner's statement of reasons for allowance: The prior art fails to teach an information processing apparatus comprising: a holding part which holds the holding portion of each of the information recording media which are stacked; information input means for accepting an input of various information by handwriting on an arbitrary one of the information recording media which is used as a writing target; identification information recognizing means for recognizing the identification information recorded on the arbitrary information recording medium which is used as the writing target; information storing means for storing the various information accepted by the information input means and the identification information recognized by the identification information recognizing means in an information storage medium by linking corresponding various information and identification information; and information output means for outputting the various information stored in the information storage medium with respect to the storage means which stores various information at storage locations specified in advance depending on the identification information as claimed in Claim 1.

The prior art fails to teach an information processing apparatus comprising: the identification information recorded on each of the information recording media indicating a storage location of one page of display image information written on the information recording medium and prestored in storage means; a holding part which holds the holding portion of each of the information recording media which are stacked; information input means for accepting an input of various information by handwriting on the information recording media; additional writing means for additionally inputting desired various information by handwriting on an arbitrary one of the information recording media; identification information recognizing means for recognizing the identification information recorded on the arbitrary information recording medium which is used as the writing target; information storing means for storing the various information input by the additional writing means and accepted by the information input means and the identification information recognized by the identification information recognizing means in an information storage medium by linking corresponding various information and identification information; and information output means for outputting the various information stored in the information storage medium with respect to the storage means which stores various information at storage locations specified in advance depending on the identification information as claimed in Claim 11.

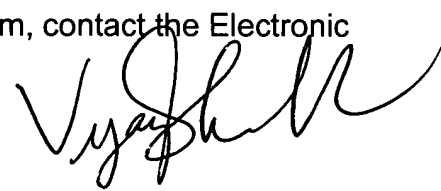
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Protheroe et al teaches the handwriting capture device.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is 703-305-4763. The examiner can normally be reached on M-F 7:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BIPIN SHALWALA can be reached on 703-305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



VIJAY SHANKAR
Primary Examiner
Art Unit 2673

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